

February 18, 2004

TO: A. Boron, J. Carwardine, R. Emerson, M. Fagan, N. Friedman, J. Hawkins, P. McNamara, V. Nguyen, J. Servino, S. Ross

SUBJECT: Generation-3 Meeting Minutes for February 18, 2004

Absent: S. Ross, J. Hawkins

PROJECT DELIVERABLES:

- **2.1 Baseline Documents**

- 2.1.3 PSS Statement of Work – Emerson - Done.
- 2.1.4 PSS Project Schedule – Emerson - Ongoing
- 2.1.5 PSS System Requirements – Fagan – Done, needs to be circulated for signatures.
- 2.1.6 PSS Functional Description – Emerson – Still being worked on, will be posted on 2/20/04.
- 2.1.7 PSS Beamline Configuration Specification – Servino – Done, needs to be circulated for signatures.

- **2.2 Interface Control Document (ICD) – Emerson – Est. Friday 2/27/04.**

- 2.2.3 Access Control Interlocks System (ACIS) interface with PSS
- 2.2.4 Front End and Beamline Shutters
- 2.2.5 Front End Equipment Protection System (FE-EPS) interface with PSS
- 2.2.6 Beamline Equipment Protection System (BL-EPS) interface with PSS
- 2.2.7 De-Ionized water (DIW) interface with PSS
- 2.2.8 HMI interface with PSS
 - Should be a table within the Software Design Specification.
- 2.2.9 EPICS interface with PSS
 - Should be a table within the Software Design Specification.

- **2.3 PSS Mezzanine Controls**

- 2.3.3 Electrical design and layout – Ross/Belcher, should be ready by 2/20/04; circuit board only.

- **2.4 PSS Station Controls**

- 2.4.3 Electrical design and layout – Ross/Belcher, should be ready within 2-3 weeks.
 - Ross will hand this document over to Belcher on 2/20/04.

- **2.5 Manual Validation Test Adapters (Test Cart) 2/27/04**

- Front-End Simulator
 - Test Cart & Simulator, 2/27/04 - Anne

- I/O Lists – Servino (Preliminary Done)
- Requirements – Boron (Preliminary Done)
 - Lab Prototype will be an extension of this document.
- Validation Procedure – Nguyen
 - Missing functional description, ACIS new test box, components and fault list.
- **2.6 Lab Prototype system: Expected completion date: 3/22/04**
 - 2.6.3 Software design specifications (need at least 2 wks, 3/1-3/8)
 - Three separate documents are needed, 3/8/04 circulated for mark-up and signatures.
 - I/O Lists – Servino (Preliminary Done)
 - Requirements – Boron
 - 2.6.4 Hardware design specifications
 - Bill of Materials – Emerson – Done
 - Drawings – Belcher
 - Drafting Walker
 - 2.6.5 Validation Procedures – Nguyen
 - 2.6.6 Fabrication and Test – Technicians
 - Depends on tech availability
- **2.7 Beamline System (30ID)**
 - 2.7.3 Software design specification (Need to change to reflect USER requirements)
 - I/O Lists – Servino (Preliminary Done)
 - Requirements – Boron
 - 2.7.4 Hardware design specifications
 - Bill of Materials –Emerson – Done
 - Drafting – Walker
 - 2.7.5 Validation Procedures – Nguyen
 - 2.7.6 Fabricate a fully functional 30-ID system – Technicians
- **2.8 Design Review Presentation**
 - Create/Organize Presentation Slides – Emerson/Hawkins
 - Organize Reviewer Package – Emerson/Hawkins
 - Schedule Outside Reviewers - Hawkins
- Sign offs:
 - Two step process
 - Preliminary
 - Final sign-off with signatures
 - Documents that are in the done state will be printed out today and circulated for comments and suggestions by tomorrow.
 - All documents will be laid out at the next meeting.
 - To keep track of the documents: Please email Roy the document name and the person who you are forwarding it to for signature.
- Steve Ross is no longer involved with this project.

- Hawkins Box:
 - No specifications for it
 - A request was made to put all of the information into one big document.
 - Still interfaced, need to know how it works.
- Forrestal Box:
 - Need internal descriptions and drawings.
- Design information for the internal interfaces needs to be consistent throughout the documents.
- The review will still take place on 3/1/04, however it will only be a status review, not an external review.